

REMARKS

Formal Matters

Claims 1-33 were pending in the application and were restricted into eight groups. Claims 1-11, 15, 19-30 and 32 are canceled. As discussed below, Applicants elect with traverse claims 12-14, 16-18, 31, and 33 (Group IV). Claims 12-14, 16, 31 and 33 are amended and claims 34-38 are added. No new matter is added by the amendments to the claims.

Support for the amendments is found throughout the specification such as at, for example, page 11, lines 23-25; page 11, line 27 to page 12, line 7; page 12, line 23 to page 13, line 2; page 13, lines 3-21; page 19, lines 22-23 (legend to Fig. 3) and Fig. 8; page 20, lines 17-22; page 22, line 15 to page 23, line 17; page 97, line 14 to page 98, line 7 and Fig. 4; and page 100, lines 5-10, Fig. 8, and Table 5 (page 100). No new matter is added by the amendments to the claims.

Sequence Rules

Applicants are required to comply with the sequence rules as set forth in 37 C.F.R. § 1.821-25 at the time of election of the restriction. Applicants believe that they have already complied with 37 C.F.R. § 1.821-25 by submitting a Letter and Request to Use Computer-Readable Sequence Listing Under 37 CFR § 1.821(e) upon filing the instant application on March 7, 2000 (copy of Letter enclosed). Specifically, the Letter requested that the computer-readable Sequence Listing filed in parent application Serial No. 09/070,416 be used as the computer-readable Sequence Listing for the instant application. A paper copy of the Sequence Listing and a statement that it is identical to the computer-readable copy from Serial No. 09/070,416 under 37 CFR § 1.821(e) was submitted with the Letter.

Applicants herewith submit another copy of the Sequence Listing for the convenience of the Examiner and in the unlikely circumstance that the

Examiner is unable to access the computer-readable Sequence Listing, it is hereby submitted for the Examiner's use. Applicants do not intend to

Applicants submit a copy of the Letter and Request and 37 CFR § 1.821(e), another paper copy of the Sequence Listing, and state that the computer readable copy and paper copy are identical, that no new matter is added by the amendment. As a result, Applicants believe that they have complied with the Notice to Comply.

Correction of Inadvertent Omission from the Specification When Filed

Upon filing the instant specification as a continuation of parent application 09/070,416 and provisional application serial no. 60/050,661, Appendix I was inadvertently omitted. Appendix I is a 15-page table comparing sequence identities between various light chain sequences. Insertion of the table into the specification does not add new matter because the table was present in the provisional application 60/050,661 to which the present application ultimately claims priority. Insertion of the Appendix as Table 6.1-6.15 is respectfully requested.

In a related application, U.S. application serial no. 08/850,058, the position of Appendix I was objected to. Appendix I was after "What is claimed is:" on page 103 and before the Claims. Applicants renamed the table as Table 6.1-6.15 and repositioned it to immediately before "What is claimed is:". Applicants respectfully offer this positioning scheme for consideration in the instant application.

Applicants submit Table 6.1-6.15 on fifteen pages. The word "Appendix" and the original page number on each page of the original appendix are deleted and "Table 6.X" is inserted therefor, where "X" refers to subpart 1-15 of Table 6.

The word "Appendix" occurs only once in the originally filed specification at page 96, line 24. The word "Appendix" has been deleted from the specification and the term "Table 6.1-6.15" has been inserted therefor.

No new matter has been added by these amendments to the

Other Amendments to the Specification

Applicants amended the specification on page 13, line 27 to correct a typographical error by replacing a semicolon (";") with a period ("."). No new matter was added by the amendment to the specification.

Applicants amended the specification to correct a typographical error in the legend for Fig. 2A-2C on page 17, line 30. Specifically, Fig. 2C shows the sequence of a portion of the nucleic acid construct depicted in Fig. 2B. Originally filed Fig. 2C indicates that that sequence is SEQ ID NO:13 and thus provides support for the amendment. Correction of the legend for Fig. 2C has been corrected accordingly. No new matter has been added by the amendment to the specification.

Election/Restriction

The Examiner has indicated that the application contains claims directed to patentably distinct species of the claimed invention and requires restriction under 35 U.S.C. § 121 according to the eight groupings indicated in the Office Action (Paper No. 4, mailed July 5, 2001)

In addition, Applicants were asked to further elect patentably distinct species of the claimed invention as indicated on page 4 of the Office Action. Applicants elect with traverse, for the reasons stated herein, the following species:

The constant domain is from a human IgG.

The anti-Ob-R/anti-HER3 species.

Applicant respectfully traverses the restriction and election requirement as applied to the currently pending claims for the reasons provided below.

Applicant respectfully traverses the restriction requirement in which free thiol or protuberance/cavity structures within the multimerization domain are relied upon to support the restriction. The

Applicant respectfully traverses the restriction requirement in which the amino acid sequence of the multimerization domain is relied upon to support the restriction. The

class 530 and subclass 387.3 as another multispecific antibody of the invention comprising a protuberance and cavity in the multimerization domain (Group IV). Thus, the Examiner would not be placed under an undue burden to search in the same class and subclass of art in order to evaluate the patentability of claims in Groups III and IV, for example. The same argument applies to Groups I and II, Groups V and VI, and Groups VII and VIII. Applicants respectfully submit that the restrictions that distinguish Group I from Group II, Group III from Group IV, Group V from Group IV, and Group IV from Group VIII should be withdrawn.

Without acquiescing to the restrictions, however, and merely to expedite prosecution of the claims, Applicants elect with traverse Group IV, Claims 12-14, 16-18, 31 and 33 drawn to a multispecific antibody, wherein the multimerization domain is altered to comprise a protuberance and a cavity.

With respect to the election of species requirement, Applicants respectfully traverse the election requirement for failing to recognize Applicant's right to allowed claims that link a reasonable number of species under 37 CFR § 1.141. It is Applicant's understanding and right under 37 CFR § 1.141 that, following election, the claims will be examined fully with respect to the elected species and further to the extent necessary to determine patentability for a reasonable number of species encompassed by the generic claims.

With the above reservation of right, Applicant elects, with traverse, a constant domain from a human IgG and further elects anti-Ob-R/anti-HER3, an illustrative example of the claimed multispecific antibody of the invention.

A marked-up version and a clean version of the pending claims is attached.

If the Examiner has any questions, the Examiner should feel free to call the undersigned attorney at the number indicated below.

This document is timely filed with a petition and fees for a three-month extension of time. In the unlikely event that additional fees are due, Applicants hereby petition the Commissioner to authorize any extensions of time and/or to deduct fees from or add credits to our Deposit Account 07-0630 as necessary to maintain the pendency of this application.

Respectfully submitted,

GENENTECH, INC.

Date: November 5, 2001

By: 

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PATENT TRADEMARK OFFICE

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Deleted information is shown in strikethrough (~~Θ~~), and added information is shown as underlined.

Paragraph beginning at page 13, line 26, has been amended as follows:

(ii) recovering the multispecific antibody from the host cell culture;;

Paragraph beginning at page 17, line 16, has been amended as follows:

Figs. 2A-2C. Fig. 2A diagrams a selection scheme for C₃ heterodimer using phage display vector, pFA2. Phage displaying stable C₃ heterodimers are captured using an antibody directed to the gD flag. Fig. 2B diagrams a dicistronic operon in which C₃ expressed from a synthetic gene is co-secreted with a second copy of C₃ expressed from the natural gene (Ellison et al. Nucleic Acids Res. 10:4071-4079 (1982)) as a fusion protein with M13 gene III protein. The synthetic C₃ gene is preceded by a sequence encoding a peptide derived from herpes simplex virus glycoprotein D (gD flag, Lasky, L. A. and Dowbenko, D. J. (1984) DNA 3:23-29; Berman, P. W. et al., (1985) Science 227:1490-1492 and a cleavage (G) site for the site-specific protease, Genenase I (Carter, P. et al. (1989) Proteins: Structure, Function and Genetics 6:240-248). Fig. 2C is the nucleic acid sequence of the dicistronic operon (~~SEQ ID NO:1~~) (SEQ ID NO: 13) of Fig. 2B in which the residues in the translated C₃ genes are numbered according to the

as the natural sequence of the natural gene.

gene (366, 368, and 407).

Paragraph beginning at page 96, line 8, has been amended as follows:

--A large human single chain Fv (scFv) antibody library (Vaughan *et al.* (1996), *supra*) was panned for antibodies specific for eleven antigens including Axl (human receptor tyrosine kinase ECD), G-CSF-R (human granulocyte colony stimulating factor receptor ECD), IgE (murine IgE), IgE-R (human IgE receptor α -chain), MPL (human thrombopoietin receptor tyrosine kinase ECD), MusK (human muscle specific receptor tyrosine kinase ECD), NpoR (human orphan receptor NpoR ECD), Ese (human receptor tyrosine kinase, Ese, ECD), HER3 (human receptor tyrosine kinase HGF3/c-erbB3 ECD), Ob-R (human leptin receptor ECD), and VEGF (human vascular endothelial growth factor) where ECD refers to the extracellular domain. The nucleotide sequence data for scFv fragments from populations of antibodies raised to each antigen was translated to derive corresponding protein sequences. The V_H sequences were then compared using the program "align" with the algorithm of Feng and Doolittle (1985, 1987, 1990) to calculate the percentage identity between all pairwise combinations of chains (Feng, D.F. and Doolittle, R.F. (1985) *J. Mol. Evol.* 21:112-123; Feng, D.F. and Doolittle, R.F. (1987) *J. Mol. Evol.* 25:351-360; and Feng, D.F. and Doolittle, R.F. (1990) *Methods Enzymol.* 183:375-387). The percent sequence identity results of each pairwise light chain amino acid sequence comparison were arranged in matrix format ~~(Appendix)~~ Table 6.1-6.15).

The Appendix is amended to become Table 6.1-6.15 as follows:

[illegible]

Age	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
24	80	44	48	44	49	46	44	44	46	79	50	100	51	49	79	78	81	81	49	80	80	50
44	80	44	48	44	49	46	44	44	46	79	50	100	51	49	79	78	81	81	49	80	80	50
59	47	59	66	58	71	58	57	57	57	47	66	50	76	68	48	43	48	48	68	47	48	70
61	48	61	68	60	73	60	59	59	59	48	68	50	77	70	49	44	49	49	70	48	49	72
44	84	44	46	44	46	46	42	45	83	48	81	50	46	83	80	100	100	45	84	83	47	
48	78	48	52	48	52	48	45	45	48	78	53	83	55	52	78	76	82	82	51	78	78	53
43	98	43	48	43	47	45	43	43	44	98	47	79	48	47	94	95	83	82	46	99	99	48
48	79	48	52	48	52	50	47	49	78	53	83	53	52	78	75	83	82	51	79	78	53	
58	48	58	62	57	64	57	55	56	48	62	47	74	64	47	44	48	48	65	48	49	63	
63	49	63	64	62	66	62	58	61	48	64	50	78	68	48	44	49	49	68	48	49	65	
61	47	61	80	60	100	60	57	59	47	79	50	66	84	48	43	46	46	83	47	48	97	
45	85	45	48	45	48	47	45	47	85	49	90	52	48	83	84	85	86	47	85	86	49	
62	47	62	74	61	85	61	56	60	47	74	46	62	75	47	43	45	45	75	47	48	85	
43	99	43	48	43	47	45	43	44	99	47	80	48	47	95	96	84	83	46	100	100	48	
58	44	58	76	57	95	57	54	56	44	75	47	63	79	45	41	44	44	79	44	45	92	
62	47	62	76	61	90	61	58	60	47	76	49	67	79	48	43	48	48	79	47	48	89	
98	42	98	59	97	59	97	87	98	42	71	43	65	57	42	38	42	42	60	42	42	59	
91	42	91	57	90	58	90	97	91	42	66	44	64	55	42	38	42	42	57	42	42	58	
100	43	100	61	99	61	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	
61	47	61	80	60	100	60	57	59	47	79	50	66	84	48	43	46	46	83	47	48	97	
60	48	60	67	59	72	60	59	59	48	68	50	77	70	49	44	49	49	69	48	49	71	
61	48	61	68	60	73	60	59	59	48	68	50	77	70	49	44	49	49	70	48	49	72	
43	82	43	45	43	45	45	41	44	81	47	79	49	45	81	78	98	97	44	82	81	46	
61	49	61	75	60	94	60	57	59	49	74	50	67	78	50	45	48	48	79	49	50	93	
-	43	100	61	99	61	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	
-	-	43	48	43	47	45	43	44	98	47	80	48	47	94	95	84	83	46	99	99	48	
		-	61	99	61	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	
		-	60	80	60	55	59	48	85	49	65	94	48	44	44	46	46	93	48	49	78	
		-	60	98	87	99	43	71	45	67	58	44	40	44	44	44	61	43	44	60		
			-	60	57	59	47	79	50	66	84	48	43	46	46	46	83	47	48	97		
						-	87	99	45	75	46	67	61	45	41	46	44	61	45	44	60	
							-	88	43	67	44	63	56	43	39	42	40	56	43	42	57	
								-	44	74	46	68	60	44	42	45	44	60	44	44	59	
										47	80	48	47	94	95	83	83	46	99	100	48	
											50	75	82	47	43	48	48	80	47	48	76	
											-	51	50	79	78	81	81	50	80	80	50	
												-	70	47	46	50	51	69	48	49	65	
													-	47	43	46	46	97	47	48	81	
														-	91	83	83	47	95	96	49	
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[illegible]

APPENDIX

Table 6.6

[illegible]

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[illegible]

80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
45	81	100	85	51	47	80	48	85	46	44	85	46	79	82	48	46	79	100	100	100	79	79	100	46	50	78	80
72	48	49	51	92	65	47	74	51	73	59	51	73	47	49	75	73	47	49	49	49	47	47	49	73	98	46	47
74	49	50	52	94	67	48	76	52	75	61	52	75	48	50	77	75	48	50	50	50	48	48	50	75	100	47	48
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	77	81	47	49	82	84
48	82	83	83	54	51	78	50	83	49	48	83	49	78	83	51	49	78	83	83	83	77	77	83	49	53	76	78
46	83	79	85	49	47	59	46	85	47	43	85	47	98	94	45	47	98	79	79	79	97	97	79	47	48	96	99
48	83	83	84	54	51	79	49	84	49	48	84	49	79	84	50	49	79	83	83	83	78	78	83	49	53	77	79
80	48	46	49	75	61	48	70	49	80	58	49	80	48	48	66	80	49	46	46	46	48	48	46	80	72	47	48
74	49	49	50	80	63	48	86	50	75	63	50	75	48	50	67	75	48	49	49	49	47	47	49	75	79	47	48
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
47	85	90	95	51	47	85	49	95	48	45	95	48	86	84	47	48	85	90	90	90	84	84	45	62	70	46	47
61	45	45	47	70	73	47	61	47	62	62	47	62	47	49	81	62	47	45	45	45	46	46	45	62	70	46	47
46	84	80	86	49	47	100	46	86	47	43	86	47	99	95	45	47	99	80	80	80	98	98	80	47	48	97	100
60	44	46	46	71	75	44	59	46	61	58	46	61	44	46	88	61	44	46	46	46	44	44	46	61	69	43	44
64	48	48	49	75	75	47	62	49	65	62	49	65	47	48	84	65	48	48	48	48	44	44	48	65	74	46	47
57	42	42	43	63	58	42	60	43	58	98	43	58	42	42	61	58	42	42	42	42	42	42	42	58	59	41	42
57	42	43	44	62	56	42	59	44	58	91	44	58	42	42	60	58	42	43	43	43	42	42	43	58	60	41	42
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
73	49	50	52	93	66	48	75	52	74	60	52	74	48	50	76	74	48	50	50	50	48	48	50	74	99	47	48
74	49	50	52	94	67	48	76	52	75	61	52	75	48	50	77	75	48	50	50	50	48	48	50	75	100	47	48
45	98	79	83	48	44	82	45	83	46	43	83	46	82	81	44	46	81	79	79	79	81	81	79	46	48	80	82
70	48	49	51	76	74	49	63	51	70	61	51	70	49	50	87	70	49	49	49	49	49	49	49	70	73	48	49
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43
46	84	80	86	49	47	99	47	86	47	43	86	47	98	94	45	47	98	80	80	80	97	97	80	47	48	97	99
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43
60	46	48	49	69	99	48	60	49	60	61	49	60	48	49	78	60	48	48	48	48	48	48	48	60	68	47	48
58	44	44	45	64	59	43	60	45	59	99	45	59	43	44	62	59	43	44	44	44	43	43	44	59	60	42	43
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
58	46	46	47	64	59	45	60	47	59	99	47	59	45	46	62	59	45	46	46	46	45	45	46	59	60	44	45
56	42	44	46	61	54	43	57	46	57	88	46	57	43	44	59	57	43	44	44	44	43	43	44	57	59	42	43
57	45	46	46	63	58	44	60	46	58	100	46	58	44	45	62	58	44	46	46	46	44	44	46	58	59	43	44
46	83	79	85	49	47	99	46	85	47	43	85	47	98	94	45	47	98	79	79	79	97	97	79	47	48	96	99
62	48	50	49	72	84	47	62	49	63	72	49	63	47	49	81	63	47	50	50	50	47	47	50	63	68	46	47
46	81	100	85	51	48	80	49	85	47	45	85	47	79	82	49	47	79	100	100	100	79	79	100	47	50	78	80
72	50	51	51	79	64	48	78	51	73	67	51	73	48	50	69	73	48	51	51	51	48	48	51	73	77	47	48
63	46	49	49	71	93	47	63	49	64	59	49	64	47	49	81	64	47	49	49	49	47	47	49	64	70	46	47
46	83	79	84	50	47	95	46	84	47	44	84	47	94	94	46	47	94	79	79	79	93	93	79	47	49	92	95
42	80	78	83	45	43	96	44	83	43	40	83	43	95	91	42	43	95	78	78	78	94	94	78	43	44	93	96
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84

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44	46	84	83	83	44	49	46	83	84	41	Mpl.16
62	82	48	46	46	62	65	83	49	48	42	Mpl.19
43	47	86	100	100	43	46	47	85	86	43	Mpl.21
44	48	86	100	100	44	48	48	85	86	44	Mpl.24
61	96	50	48	48	61	69	97	51	50	45	Mpl.26
44	46	84	83	83	44	48	46	82	84	46	Mpl.28
54	61	44	43	43	54	94	61	47	44	47	Mpl.29
59	65	49	46	46	59	78	65	50	49	48	Mpl.30
60	66	50	47	47	60	79	66	51	50	49	Mpl.31
61	65	46	45	45	61	99	65	48	46	50	Mpl.32
57	78	47	46	46	57	60	79	49	47	51	Mpl.33
42	47	85	99	99	42	46	47	84	85	52	Mpl.35
43	47	86	100	100	43	46	47	85	86	53	Musk.01
42	47	85	99	99	42	46	47	84	85	54	Musk.02
44	46	85	84	84	44	48	46	83	85	55	Musk.06
46	49	80	77	77	46	50	49	78	80	56	NpoR.25
100	60	45	43	43	99	61	61	46	45	57	NpoR.44
49	48	48	46	46	49	45	48	49	48	58	NpoR.53
48	47	46	44	44	48	46	47	48	46	59	NpoR.81
43	47	86	100	100	43	46	47	85	86	60	NpoR.86
59	66	50	47	47	59	78	66	51	50	61	Rse.01
60	66	50	47	47	60	79	66	51	50	62	Rse.02
60	88	48	47	47	60	65	89	49	48	63	Rse.03
60	98	48	46	46	60	65	99	49	48	64	Rse.04
40	41	75	74	74	40	44	41	80	75	65	Rse.07
44	46	85	84	84	44	48	46	83	85	66	Rse.08
61	99	49	47	47	61	66	100	50	49	67	Rse.15
54	94	45	43	43	54	62	95	46	45	68	Rse.16
61	90	49	48	48	61	66	90	50	49	69	Rse.18
59	97	47	45	45	59	64	98	48	47	70	Rse.20
59	88	47	46	46	59	65	88	48	47	71	Rse.21
44	46	85	84	84	44	48	46	83	85	72	Rse.22
61	99	49	47	47	61	66	100	50	49	73	Rse.23
43	45	84	83	83	43	48	45	83	84	74	Rse.24
64	82	51	49	49	63	70	83	52	51	75	Rse.52
59	72	52	48	48	59	73	73	53	52	76	Rse.53
100	60	45	43	43	99	61	61	46	45	77	Rse.58
60	66	50	47	47	60	79	66	51	50	78	Rse.60
44	49	85	80	80	44	48	49	85	85	79	Rse.61
59	65	49	46	46	59	78	65	50	49	80	Rse.63
44	46	85	84	84	44	48	46	83	85	81	her3.1
44	49	85	80	80	44	48	49	85	85	82	her3.10

45	49	100	86	86	45	47	49	99	100	83	her3.11
65	75	53	49	49	64	73	76	54	53	84	her3.12
60	79	48	47	47	60	61	80	49	48	85	her3.16
43	47	86	100	100	43	46	47	85	86	86	her3.18
61	62	47	46	46	60	75	62	49	47	87	her3.19
45	49	100	86	86	45	47	49	99	100	88	her3.22
60	66	50	47	47	60	79	66	51	50	89	her3.3
100	60	45	43	43	99	61	61	46	45	90	her3.4
45	49	100	86	86	45	47	49	99	100	91	her3.7
60	66	50	47	47	60	79	66	51	50	92	obr.1
43	47	87	99	99	43	46	47	86	87	93	obr.11
44	49	85	95	95	44	48	49	83	85	94	obr.12
63	91	49	45	45	63	66	92	51	49	95	obr.14
60	66	50	47	47	60	79	66	51	50	96	obr.15
43	47	85	99	99	43	46	47	84	85	97	obr.16
44	49	85	80	80	44	48	49	85	85	98	obr.17
44	49	85	80	80	44	48	49	85	85	99	obr.18
44	49	85	80	80	44	48	49	85	85	100	obr.19
43	47	85	98	98	43	46	47	83	85	101	obr.2
43	47	86	99	99	43	46	47	85	86	102	obr.20
44	49	85	80	80	44	48	49	85	85	103	obr.21
60	66	50	47	47	60	79	66	51	50	104	obr.22
61	72	52	48	48	60	71	73	53	52	105	obr.23
42	46	85	97	97	42	45	46	83	85	106	obr.24
43	47	86	100	100	43	46	47	85	86	107	obr.26
-	60	45	43	43	99	61	61	46	45	108	obr.3
-	49	47	47	47	60	66	99	50	49	109	obr.4
	-	86	86	45	47	49	99	100	110	veg1.1	
		-	100	43	46	47	85	86	111	veg1.10	
			-	43	46	47	85	86	112	veg1.2	
				-	61	61	46	45	113	veg1.3	
					-	66	49	47	114	veg1.4	
						-	50	49	115	veg1.5	
							-	99	116	veg1.6	
								-	117	veg1.8	
108	109	110	111	112	113	114	115	116	117		Clone
					VEGF						

In the Claims:

Claims 1-11, 15, 19-30 and 32 have been cancelled.

Claims 34-38 have been added.

Claims 12-14, 16, 31, and 33 have been amended as follows:

12. (Amended) A multispecific antibody prepared by the method
[of claim 1] comprising:

(a) expressing in a host cell a first polypeptide comprising a first heavy chain variable domain, a first or second light chain variable domain, and a first multimerization domain, wherein the first and second light chain variable domains have at least 80% amino acid sequence identity, and wherein a first binding domain is formed by the first heavy chain variable domain and the first or second light chain variable domain;

(b) expressing in the host cell a second polypeptide comprising a second heavy chain variable domain, the first or the second light chain variable domain, and a second multimerization domain, wherein a second binding domain is formed by the second heavy chain variable domain and the first or second light chain variable domain, and wherein the first and second binding domains bind different antigens;

(c) allowing the first and second polypeptides to dimerize by interaction of the first and second multimerization domains to form a multispecific antibody; and

(d) recovering the multispecific antibody from the host cell.

13. (Amended) A multispecific antibody comprising a first polypeptide and at least one additional polypeptide [which meet at an interface, wherein], the multispecific antibody comprising:

[(a) the first polypeptide comprises a multimerization domain

comprising a first heavy chain variable domain, a first or second light chain variable domain, wherein the variable light chain of the first and

additional polypeptides comprise a common sequence]

(a) the first polypeptide which comprises a first heavy chain variable domain, a first or second light chain variable domain, and a first multimerization domain, wherein the first and second light chain variable domains have at least 80% amino acid sequence identity, and wherein a first binding domain is formed by the first heavy chain variable domain and the first or second light chain variable domain;

(b) the second polypeptide which comprises a second heavy chain variable domain, the first or the second light chain variable domain, and a second multimerization domain, wherein a second binding domain is formed by the second heavy chain variable domain and the first or second light chain variable domain, and wherein the first and second binding domains bind different antigens;

(c) the first and second polypeptides dimerize by interaction of the first and second multimerization domains to form a multispecific antibody.

14. (Amended) The multispecific antibody of claim 13, wherein the nucleic acid encoding the first polypeptide or the nucleic acid encoding the additional polypeptide, or both, has been altered from the original nucleic acid to encode the [interface] multimerization domain or a portion thereof.

16. (Amended) The multispecific antibody of claim 14 wherein the [interface of the] multimerization domains of the first and an additional polypeptide comprise a protuberance and cavity, respectively.

31. (Amended) The multispecific antibody of claim 13 [selected from the group consisting of] wherein the antibody is anti-Ob-R/anti-HER2 (and anti-Mpl (pt1-HER2)).

32. (Amended) The multispecific antibody of claim 13 [selected from the group consisting of] wherein the antibody is anti-HER2 and anti-Mpl (anti-HER2).

34. (New) The multispecific antibody of claim 13, wherein the first and second light chain variable domains have at least 90% amino acid sequence identity.

35. (New) The multispecific antibody of claim 13, wherein the first and second light chain variable domains have at least 95% amino acid sequence identity.

36. (New) The multispecific antibody of claim 13, wherein the first and second light chain variable domains have at least 98% amino acid sequence identity.

37. (New) The multispecific antibody of claim 13, wherein the first and second light chain variable domains have at least 99% amino acid sequence identity.

38. (New) The multispecific antibody of claim 13, wherein the first and second light chain variable domains have identical amino acid sequences.